BOSST-GARREN TALDEA

**Authors: Abde, Mikel, Jon and Beñat**

**Date: 5/3/2021**

**INDEX**

1. **PROJECT CONTEXT**
2. **APPLICATION ANALYSIS**
3. **APPLICATION DESIGN**
   1. **USE CASE DIAGRAM**
   2. **CLASS DIAGRAM**
   3. **ACTIVITY DIAGRAM**
   4. **DATABASE DESIGN**
4. **TASK PLANNING AND REGISTER** 
   1. **TASK1: (name ,description): Goal and methodology:**Describe the goal and methodology that is going to be used in this task. If this task is going to be divided in smaller tasks, described them.
      1. Task1.1
      2. Task1.2

Fill a table like this one with the information provided

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Duration (hours)** | **Beginning date** | **Finishing date** | **Responsible** |
| 1.Kontratua | 2 | 03-05-2021 | 03-05-2021 | Jon |
| 2. 3\_eranskina 1-4 |  | 03-05-2021 |  | Beñat, Abde, Jon,Mikela |
| 2.1 Project context | 0,5 | 03-05-2021 | 03-05-2021 | Beñat |
| 2.2 Project analisys | 5 | 03-05-2021 | 05-05-2021 | Beñat, Abde, Jon |
| 2.3 Application design |  | 05-05-2021 |  |  |
| 2.3.1 USE-CASE Diagram |  |  |  |  |
| Mikel | 2 | 05-05-2021 | 05-05-2021 |  |
| Abde | 2 | 05-05-2021 | 05-05-2021 |  |
| Benat | 2 | 05-05-2021 | 05-05-2021 |  |
| Jon | 3 | 05-05-2021 | 05-05-2021 |  |
| 2.3.2 Class Diagram |  |  |  |  |
| 2.3.3 Activity Diagram |  |  |  |  |
| Mikel | 2 | 05-05-2021 | 05-05-2021 |  |
| Abde | 3 | 05-05-2021 | 05-05-2021 |  |
| Benat | 3 | 05-05-2021 | 05-05-2021 |  |
| Jon | 3 | 05-05-2021 | 05-05-2021 |  |
| 2.3.4 E-R Diagram | 3 | 04-05-2021 | 05-05-2021 | Beñat, Abde, Jon |
| 2.4 TASK PLANNING |  | 05-05-2021 |  |  |
| 2.5 IMPLEMENTATION AND  INSTALLATION |  |  |  |  |
| 2.6 USERS GUIDE |  |  |  |  |
| 2.7 THOUGHTS |  |  |  |  |
| 2.8 BIBLIOGRAPHY |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. **SOFTWARE APPLICATION IMPLEMENTATION/INSTALLATION**
2. **USERS GUIDE**
3. **THOUGHTS**
4. **BIBLIOGRAPHY**
5. **SOFTWARE APPLICATION IMPLEMENTATION/INSTALLATION**
6. **USERS GUIDE**
7. **THOUGHTS**
8. **BIBLIOGRAPHY**
9. PROJECT CONTEXT

We have to create an application for Durango beekeepers association named “Erlete” to manage the extractions in the association.

1. APPLICATION ANALISYS

This application will consist of two parts. On the one hand, it will be the web application and on the other hand, it will be the java application.

# WEB

In the web, there are going to be different options in the header bar which depending on the user, there are going to be some options or not.

* **For GUEST:** General info about association or association history: A little introduction about the association and all the users are allowed to see and read this part.
* **For PARTNERS:** This part is only for those who are members or who want to be members. In case that someone wants to register, he must fill a form and pay a membership of 30€ per year .

Room booking: This option is only available for members. They will be able to book the extraction room to take out their honey. Once that they go to extract their honey, they could use some cans that are in the society for all the members, in case that the cans were available.

Any time partners will be able to see in the web of ERLETE the availability of the room and the cans, at the moment that they are looking the webpage. It’s highly recommended to look cans availability the day before going to extract the honey, cause maybe there are no available cans. In this case beekeepers should bring their own containers.

Once they left the room, they must write down in a form the quantity of honey extracted and in case they have used cans, which of them they have used.

In case that one beekeeper have used a can, that can automatically will be unavailable for the rest of the partners for 14 days.

# Java application

In the java application, the only one who is going to use it is the accountant. This are all the options available to use in the application:

* 1. He will be able to manage the annual fees of the members. In case that someone don not want to keep as a member, the accountant must to deny the annual payment.
  2. Depending on how much honey do the members take, the application will calculate the total money to pay. (We thought here we could create a Frame, which has a form, and in that form, there would be a button that it will calculate the total price depending on the user. Once the button is pushed, a TRIGGER will activate and the user name, the month when the members tokes the honey and the total price will be saved in a database table.)
  3. The materials, the maintenances and the supplies, which are paid during the year, will be managed. Moreover, there is a table to save all the information in the database. As a result, there are two options:
     + The first one is going to allow the accountant to see how much they have to pay.
     + The second option, the accountant can insert new expenses into the database table.